

[Ask.com](#) | [MyJeeves^{BETA}](#)[Sign In](#) | [Your Settings](#) | [Help](#)[Web](#) | [Pictures](#) | [News](#) | [Local NEW!](#) | [Products](#) | [More »](#)

combinatorial auction and column generation and int

[Search](#)[Advanced Optio](#)**Web Search:** combinatorial auction and column generation a...

1-10 results out of 99

Web Results

LINGO Textbook Index

...coefficient of variation **combinatorial auction** ... cutting stock
column generation cutting ... the model difficult **integer program**
dimensional...

www.lindo.com/lingindexf.html | [Save](#)**SOUAMYADIP GHOSH CONTACT INFO Personal Address: 706 E****Seneca St, Apt**

Ghosh, J. Kalagnanam, L. Ladanyi, 2001. **Combinatorial Auction**
Winner ... The heuristic uses a **column generation** approach to solve
an **Integer**...

www.orie.cornell.edu/~sdghosh/resumes/resume2003.txt | [Save](#)**SOUAMYADIP GHOSH(PDF File)**

Ghosh, J. Kalagnanam, L. Ladanyi, 2001. **Combinatorial
Auction** Winner ... The heuristic uses a **column generation**
approach to solve an **integer**...

www.orie.cornell.edu/~sdghosh/resumes/resume2003.pdf | [Save](#)
[More results from www.orie.cornell.edu](#)**Microsoft Word - rm2001-016-RM.doc(PDF File)**

The first **generation** Internet auctions seem to require just a
software platform to create a successful **auction** business.
www.merit.unimaas.nl/publications/rmpdf/2001/rm2001-016.pdf | [Save](#)

Citations: Multiproject scheduling with limited resources: A...

Tg. This leads to the following **integer program**. ... Characterization
and **Generation** of a General Class of... ... On **Combinatorial
Auction** and...

citeseer.lcs.mit.edu/context/175892/0 | [Save](#)**Citations: The Lagrangian relaxation method for solving
integer**

...given in [Fish81] by applying it to a **combinatorial** problem
formulated as an **integer program** similar to ... Remembering
that each **generation**...

citeseer.lcs.mit.edu/context/65839/0 | [Save](#)[More results from citeseer.lcs.mit.edu](#)**BEST AVAILABLE COPY****A BRANCH-AND-PRICE ALGORITHM AND NEW TEST PROBLEMS****FOR SPECTRUM** (PDF File)

Keywords: **Combinatorial** Auctions ... total revenue for the FCC.
Auction PCS ... input this formulation into a general purpose **Integer
Program**...
www.optimization-online.org/DB_FILE/2002/08/526.pdf | [Save](#)

INFORMS Miami, November 2001 Combinatorial Auction**Winner** (PDF File)INFORMS Miami, November 2001 **Combinatorial Auction** Winner ...

and-Price **Column generation** feasible ... obtained by solving an easier Mixed...

www.research.ibm.com/math/OpResearch/informs_miami.pdf | [Save](#)

LAST UPDATE: August 12, 1994 MATHEMATICAL
PROGRAMMING SYMPOSIUM

...by **column generation** with global optimization SESSION 14:
Combinatorial ... compute the convex hull of a simple **integer** recourse **program** G....

www.informs.org/Conf/Arbor/Program/Sess2 | [Cached](#) | [Save](#)

INFORMS San Antonio 2000 Cluster: Integer Programming
2000 Cluster: **Integer** ... chemicals can be seen as a **combinatorial auction**. ... **Program**, AP 111-F, Cd. Universitaria, San ... between **Column**...

www.secretsofbetterdecisionmakers.com/Conf/SanAntonio2000/TALKS/Cl... | [Save](#)

1 2 3 4 5 6 7 8 Next »

Revise your search:

[Web](#) | [Pictures](#) | [News](#) | [Local NEW!](#) | [Products](#) | [More »](#)

[Advanced Options](#)



[About](#) | [Advertise](#) | [Jobs](#) | [P.G. Wodehouse](#) | [Policies](#) | [Download Toolbar](#) | [Send Us Your Feedback](#) | ©2005 Ask Jeeves, Inc.

Databases selected: Multiple databases...

[New! Dissertations in ABI/INFORM](#)**Results** – powered by ProQuest® Smart Search[Suggested Topics](#) [About](#)< Previous | [Next >](#)[Operations research](#)[Operations research AND Scheduling](#)[Operations research AND Linear programming](#)[Operations research AND Algorithms](#)[Browse Suggested Publications](#)< Previous | [Next >](#)[About](#)[Operations Research; Linthicum](#)[Annals of Operations Research; Basel](#)[European Journal of Operational Research; Amsterdam](#)

26 documents found for: ("Column generation" and "integer program*") AND PDN
(<10/1/2000)

[Set up Alert!](#)[About](#)
 [Mark / Clear all on page](#)
[View marked documents](#)
 [Show only full text](#)
Sort results by: [Most recent first](#)

1. **Telecommunication node clustering with node compatibility and network survivability requirements**

Kyungchul Park, Kyungsik Lee, Sungsoo Park, Heesang Lee. **Management Science**. Linthicum: Mar 2000. Vol. 46, Iss. 3; p. 363 (12 pages)

[Page Image - PDF](#)[Abstract](#)

2. **Using branch-and-price-and-cut to solve origin-destination integer multicommodity flow problems**

Cynthia Barnhart, Christopher A Hane, Pamela H Vance. **Operations Research**. Linthicum: Mar/Apr 2000. Vol. 48, Iss. 2; p. 318 (9 pages)

[Page Image - PDF](#)[Abstract](#)

3. **On Dantzig-Wolfe decomposition in integer programming and ways to perform branching in a branch-and-price algorithm**

Francois Vanderbeck. **Operations Research**. Linthicum: Jan/Feb 2000. Vol. 48, Iss. 1; p. 111 (18 pages)

[Page Image - PDF](#)[Abstract](#)

4. **Design of local networks using USHRs**

Donghan Kang, Kyungsik Lee, Sungsoo Park, Kyungchul Park, Sang-Baeg Kim. **Telecommunication Systems**. Basel: 2000. Vol. 14, Iss. 1-4; p. 197

[Article image - PDF](#)[Abstract](#)

5. **Branch-and-price algorithm for multicast routing problem**

C S Sung, J M Hong. **The Journal of the Operational Research Society**. Oxford: Nov 1999. Vol. 50, Iss. 11; p. 1168

[Full text](#)[Page Image - PDF](#)[Abstract](#)

6. **Optimal Integer Solutions to Industrial Cutting Stock Problems**

Zeger Degraeve, Linus Schrage. **INFORMS Journal on Computing**. Linthicum: Fall 1999. Vol. 11, Iss. 4; p. 406 (14 pages)

[Text+Graphics](#)[Page Image - PDF](#)[Abstract](#)

7. **A column generation based decomposition algorithm for a parallel machine just-in-time scheduling problem**
Chen, Zhi-Long, Powell, Warren B. European Journal of Operational Research. Amsterdam: Jul 1, 1999. Vol. 116, Iss. 1; p. 220 (13 pages)

 [Abstract](#)

8. **A tactical planning model for mixed-model electronics assembly operations**
Anantaram Balakrishnan, Francois Vanderbeck. Operations Research. Linthicum: May/Jun 1999. Vol. 47, Iss. 3; p. 395 (15 pages)

 [Page Image - PDF](#)

 [Abstract](#)

9. **A column generation approach for large-scale aircrew rostering problems**
Michel Gamache, Francois Soumis, Gerald Marquis, Jacques Desrosiers. Operations Research. Linthicum: Mar/Apr 1999. Vol. 47, Iss. 2; p. 247 (17 pages)

 [Page Image - PDF](#)

 [Abstract](#)

10. **Solving Parallel Machine Scheduling Problems by Column Generation**
Zhi-Long Chen, Warren B Powell. INFORMS Journal on Computing. Linthicum: Winter 1999. Vol. 11, Iss. 1; p. 78 (17 pages)

 [Page Image - PDF](#)

 [Abstract](#)

11. **Lot-sizing with start-up times**
Francois Vanderbeck. Management Science. Linthicum: Oct 1998. Vol. 44, Iss. 10; p. 1409 (17 pages)

 [Text+Graphics](#)

 [Page Image - PDF](#)

 [Abstract](#)

12. **Optimal placement of add/drop multiplexers: Heuristic and exact algorithms**
Alain Sutter, Francois Vanderbeck, Laurence Wolsey. Operations Research. Linthicum: Sep/Oct 1998. Vol. 46, Iss. 5; p. 719 (10 pages)

 [Page Image - PDF](#)

 [Abstract](#)

13. **The cutting stock problem in a hardboard industry: A case study**
Morabito, Reinaldo, Garcia, Valdir. Computers & Operations Research. New York: Jun 1998. Vol. 25, Iss. 6; p. 469 (17 pages)

 [Abstract](#)

14. **Branch-and-price: Column generation for solving huge integer programs**
Cynthia Barnhart, Ellis L Johnson, George L Nemhauser, Martin W P Savelsbergh, Pamela H Vance. Operations Research. Linthicum: May/Jun 1998. Vol. 46, Iss. 3; p. 316 (14 pages)

 [Page Image - PDF](#)

 [Abstract](#)

15. **Daily aircraft routing and scheduling**
Guy Desaulniers, Jacques Desrosiers, Yvan Dumas, Marius M Solomon, Francois Soumis. Management Science. Linthicum: Jun 1997. Vol. 43, Iss. 6; p. 841 (15 pages)

 [Text+Graphics](#)

 [Page Image - PDF](#)

 [Abstract](#)

16. **An integer programming approach to the bandwidth packing problem**
Park, Kyungchul, Kang, Seokhoon, Park, Sungsoo. Management Science. Linthicum: Sep 1996. Vol. 42, Iss. 9; p. 1277 (15 pages)

 [Text+Graphics](#)

 [Page Image - PDF](#)

 [Abstract](#)

17. **Solving the CLSP by a tabu search heuristic**
Hindi, K S. The Journal of the Operational Research Society. Oxford: Jan 1996. Vol. 47, Iss. 1; p. 151 (11 pages)

 [Abstract](#)

18. **A column generation approach to job grouping for flexible manufacturing systems**
Crama, Yves, Oerlemans, Alwin G. **European Journal of Operational Research.** Amsterdam: Oct 13, 1994. Vol. 78, Iss. 1; p. 58 (23 pages)

 [Abstract](#)

19. **Value considerations in three-dimensional packing - A heuristic procedure using the fractional knapsack problem**
Mohanty, Bidhu B, Mathur, Kamlesh, Ivancic, Nancy J. **European Journal of Operational Research.** Amsterdam: Apr 7, 1994. Vol. 74, Iss. 1; p. 143 (9 pages)

 [Abstract](#)

20. **Production scheduling in a flexible manufacturing system with setups**
Ghosh, Soumen, Gaimon, Cheryl. **IIE Transactions.** Norcross: Sep 1993. Vol. 25, Iss. 5; p. 21 (15 pages)

 [Page Image - PDF](#)

 [Abstract](#)

21. **Profit-based FMS Dynamic Part Type Selection Over Time for Mid-Term Production Planning**
Stecke, Kathryn E., Toczyłowski, Eugeniusz. **European Journal of Operational Research.** Amsterdam: Nov 25, 1992. Vol. 63, Iss. 1; p. 54 (12 pages)

 [Abstract](#)

22. **Selection of Parts and Machines for Cellularization: A Mathematical Programming Approach**
Rajamani, Divakar, Singh, N., Aneja, Y. P.. **European Journal of Operational Research.** Amsterdam: Oct 9, 1992. Vol. 62, Iss. 1; p. 47 (8 pages)

 [Abstract](#)

23. **An Algorithm for Storage Device Selection and File Assignment**
Han, Bernard T., Diehr, George. **European Journal of Operational Research.** Amsterdam: Sep 25, 1992. Vol. 61, Iss. 3; p. 326 (19 pages)

 [Abstract](#)

24. **A New Optimization Algorithm for the Vehicle Routing Problem with Time Windows**
Desrochers, Martin, Desrosiers, Jacques, Solomon, Marius. **Operations Research.** Linthicum: Mar/Apr 1992. Vol. 40, Iss. 2; p. 342 (13 pages)

 [Page Image - PDF](#)

 [Abstract](#)

25. **An Optimal Column-Generation-with-Ranking Algorithm for Very Large Scale Set Partitioning Problems in Traffic Assignment**
Ribeiro, Celso Carneiro, Minoux, Michel, Penna, Manoel Camillo. **European Journal of Operational Research.** Amsterdam: Jul 25, 1989. Vol. 41, Iss. 2; p. 232 (8 pages)

 [Abstract](#)

26. **Methods for Routing with Time Windows**
Desrosiers, Jacques, Soumis, Francois, Desrochers, Martin, Sauve, Michel. **European Journal of Operational Research.** Amsterdam: Feb 1986. Vol. 23, Iss. 2; p. 236 (10 pages)

 [Abstract](#)

1-26 of 26

Want an alert for new results sent by email? [Set up Alert](#) [About](#)

Results per page: 

Did you find what you're looking for? If not, revise your search below or try these suggestions:

Suggested Topics [About](#)

< Previous | [Next >](#)

Browse Suggested Publications

[About](#)

< Previous |

Next >

[Operations research](#)

[Operations research AND Scheduling](#)

[Operations research AND Linear programming](#)

[Operations research AND Algorithms](#)

[Operations Research in Thicicum](#)

[Annals of Operations Research; Basel](#)

[European Journal of Operational Research; Amsterdam](#)

Basic Search

Tools: [Search Tips](#) [Browse Topics](#) [11 Recent Searches](#)

"Column generation" and "integer program"

Database:

Date range: [About](#)

Limit results to: [Full text documents only](#)

[Scholarly journals, including peer-reviewed](#)

[More Search Options](#)

Copyright © 2005 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)

[Text-only interface](#)

From:ProQuest



Databases selected: Multiple databases...

[New! Dissertations in ABI/INFORM](#)**Document View**[« Back to Results](#)[< Previous Document 6 of 6](#)[Publisher Information](#)[Print](#)[Email](#) [Mark Document](#) [Abstract](#)

A New Approach for Crew Pairing Problems by Column Generation with an Application to Air Transportation

Lavoie, Sylvie, Minoux, Michel, Odier, Edouard. European Journal of Operational Research. Amsterdam: Apr 1988. Vol.35, Iss. 1; pg. 45, 14 pgs

Subjects: Workforce planning, Statistical analysis, Scheduling, Optimization, Operations research, Mathematical analysis, Linear programming, Airline industry

Classification Codes 9130 Experimental/theoretical treatment, 8350 Transportation industry, 2600 Management science/operations research

Author(s): Lavoie, Sylvie, Minoux, Michel, Odier, Edouard

Publication title: European Journal of Operational Research. Amsterdam: Apr 1988. Vol. 35, Iss. 1; pg. 45, 14 pgs

Source type: Periodical

ISSN/ISBN: 03772217

ProQuest document ID: 1069627

Document URL: [http://proquest.umi.com/pqdweb?
did=1069627&sid=2&Fmt=2&clientId=19649&RQT=309&VName=PQD](http://proquest.umi.com/pqdweb?did=1069627&sid=2&Fmt=2&clientId=19649&RQT=309&VName=PQD)

[More Like This](#) [»Show Options for finding similar documents](#)

Abstract (Document Summary)

An approach is proposed for solving the problem of the optimal assignment of airline flight service crews. The specific problem addressed is the variant in which each possible feasible crew pairing is assigned a cost, with the object being to find a set of crew pairings (CP) covering all flight segments at the minimum total cost. This problem is formulated as a large-scale set covering problem (SCP). The traditional approach does not ensure that the best possible CPs have been generated. The proposed approach, which is based on a column-generation scheme, ensures a constant 2-way interaction between the solution procedure and the column-generation procedure. The algorithm means that generalized linear programming is used to solve SCP as a continuous linear program. The proposed approach has been applied to real test problems involving stewards and hostesses on Air France long- and medium-haul networks. The computational results of that application are presented.

[^ Back to Top](#)[« Back to Results](#)< Previous Document 6 of 6[Publisher Information](#)[Print](#)[Email](#) [Mark Document](#) [Abstract](#)

Copyright © 2005 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)

[Text-only interface](#)

Basic
SearchAdvanced
SearchTopic
GuidePublication
SearchMarked List: 0 documents
My Research SummaryInterface language:
English

Databases selected: Multiple databases...

New! Dissertations in ABI/INFORM

Results – powered by ProQuest® Smart Search[Suggested Topics](#) [About](#)

< Previous | Next >

[Airlines AND Crews](#)6 documents found for: *Column generation Airline crew Pairing*[Set up Alert!](#)[About](#)

Scholarly Journals Dissertations

 [Mark / Clear all on page](#)[View marked documents](#) [Show only full text](#)Sort results by: [Most recent first](#)

-
- 1. **[Optimal construction of airline individual crew pairings](#)**
S Yan, T-T Tung, Y-P Tu. **Computers & Operations Research**. New York: Apr 2002. Vol. 29, Iss. 4; p. 341
 [Abstract](#)
 - 2. **[Airline cockpit crew scheduling](#)**
Shangyao Yan, Jei-Chi Chang. **European Journal of Operational Research**. Amsterdam: Feb 1, 2002. Vol. 136, Iss. 3; p. 501
 [Abstract](#)
 - 3. **[Elastic constraint branching, the Wedelin/Carmen Lagrangian heuristic and integer programming for personnel scheduling](#)**
Andrew J Mason. **Annals of Operations Research**. Basel: Nov 2001. Vol. 108, Iss. 1; p. 239
 [Full text](#) [Abstract](#)
 - 4. **[Solving Large Airline Crew Scheduling Problems: Random Pairing Generation and Strong Branching](#)**
Diego Klabjan, Ellis L. Johnson, George L. Nemhauser, Eric Gelman, Srinivas Ramaswamy. **Computational Optimization and Applications**. Boston: Oct 2001. Vol. 20, Iss. 1; p. 73
 [Article image - PDF](#) [Abstract](#)
 - 5. **[A column generation approach for large-scale aircrew rostering problems](#)**
Michel Gamache, Francois Soumis, Gerald Marquis, Jacques Desrosiers. **Operations Research**. Linthicum: Mar/Apr 1999. Vol. 47, Iss. 2; p. 247 (17 pages)
 [Page Image - PDF](#) [Abstract](#)
 - 6. **[A New Approach for Crew Pairing Problems by Column Generation with an Application to Air Transportation](#)**
Lavoie, Sylvie, Minoux, Michel, Odier, Edouard. **European Journal of Operational Research**. Amsterdam: Apr 1988. Vol. 35, Iss. 1; p. 45 (14 pages)
 [Abstract](#)
-

Want an alert for new results sent by email? [Set up Alert](#) [About](#)

Results per page: [30](#)

Did you find what you're looking for? If not, revise your search below or try these suggestions:

[Suggested Topics](#) [About](#)

< Previous | Next >

[Airlines AND Crews](#)

Basic Search

Tools: [Search Tips](#) [Browse Topics](#) [2 Recent Searches](#)

Column generation Airline crew Pairing

Search

Clear

Database: Multiple databases... Select multiple databases

Date range: All dates

Limit results to: Full text documents only 

Scholarly journals, including peer-reviewed  [About](#)

More Search Options

Copyright © 2005 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)

[Text-only interface](#)

From:ProQuest



Databases selected: Multiple databases...

[New! Dissertations in ABI/INFORM](#)

Searching for ("Column generation" and auction) AND PDN(<10/1/2000) did not find any documents. Try the following:

[Suggested Topics](#) [About](#)
[< Previous](#) | [Next >](#)
[Operations research](#)
[Browse Suggested Publications](#)
[About](#)
[< Previous](#) |
[Next >](#)
[Operations research AND Scheduling](#)
[Operations Research; Linthicum](#)
[Operations research AND Linear programming](#)
[Annals of Operations Research; Basel](#)
[Operations research AND Algorithms](#)
[European Journal of Operational Research; Amsterdam](#)

-OR-

Revise your search below using the following tips:

- Check your spelling.
- Reduce the number of terms included in your search.
- Broaden your search by selecting other [databases](#), removing limits, or searching "Citations and Document Text" (if available).
- Use "AND" to connect two words that don't need to be searched as a phrase.
- Connect similar terms with the "OR" operator (e.g. military OR pentagon). See [Search Tips](#) for more hints.

Basic Search

Tools: [Search Tips](#) [Browse Topics](#) [2 Recent Searches](#)

Database: [Select multiple databases](#)

Date range: [About](#)

Limit results to: [Full text documents only](#)

[Scholarly journals, including peer-reviewed](#) [About](#)

[More Search Options](#)

Copyright © 2005 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)

[Text-only interface](#)

From:


[Return to the USPTO NPL Page](#) | [Help](#)

Basic Search	Advanced Search	Topic Guide	Publication Search	Marked List: 0 documents	Interface language: English
--------------	-----------------	-------------	--------------------	--------------------------	-----------------------------

Databases selected: Multiple databases...

[New! Dissertations in ABI/INFORM](#)

Results – powered by ProQuest® Smart Search

Suggested Topics [About](#)< Previous | [Next >](#)[Auctions](#)[Auctions AND Economic models](#)[Auctions AND Economic theory](#)[Auctions AND Bids](#)[Browse Suggested Publications](#)< Previous | [Next >](#)[About](#)[The Rand Journal of Economics; Mount Morris](#)[The American Economic Review; Nashville](#)[Econometrica; Evanston](#)

4 documents found for: (auction and "integer program*") AND PDN(<10/1/2000)

[Set up Alert](#)[About](#)
 [Mark / Clear all on page](#)
[View marked documents](#)
 [Show only full text](#)
Sort results by: [Most recent first](#)

1. [Revenue management: Competition, monopoly, and optimization](#)
by Chen, Dietrich, Ph.D., Cornell University, 2000, 142 pages; AAT 9977420

[Abstract](#)[24 Page Preview](#)[Page Image - PDF](#)

2. [Dynamic slot allocation with airline participation](#)
by Milner, Joseph Micah, Ph.D., Massachusetts Institute of Technology, 1995; AAT 0576179

[Abstract](#)

3. [ESSAYS ON COORDINATION OF INDIVISIBLE RESOURCES AND LEONTIEF TECHNOLOGIES](#)
by JAIKUMAR, RAMCHANDRAN, Ph.D., University of Pennsylvania, 1985, 234 pages; AAT 8603652

[Abstract](#)[Full Text Options](#)

4. [ZERO/ONE DECISION PROBLEMS WITH MULTIPLE RESOURCE CONSTRAINTS: ALGORITHMS AND APPLICATIONS](#)
by RASSENTI, STEPHEN, Ph.D., The University of Arizona, 1982, 128 pages; AAT 8217461

[Abstract](#)[Full Text Options](#)

1-4 of 4

Want an alert for new results sent by email? [Set up Alert](#) [About](#)Results per page: [30](#)

Basic Search

Tools: [Search Tips](#) [Browse Topics](#) [4 Recent Searches](#)

[Search](#)[Clear](#)Database: [Multiple databases...](#)[Select multiple databases](#)Date range: [Before this date...](#) [About](#)Limit results to: [Full text documents only](#)


[Return to the USPTO NPL Page](#) | [Help](#)

Basic Search	Advanced Search	Topic Guide	Publication Search	Marked List : 0 documents	Interface language: English
--------------	-----------------	-------------	--------------------	---------------------------	-----------------------------

Databases selected: Multiple databases...

[New! Dissertations in ABI/INFORM](#)

Results – powered by ProQuest® Smart Search

Suggested Topics [About](#)< Previous | [Next >](#)[Auctions](#)[Auctions AND Economic models](#)[Auctions AND Economic theory](#)[Auctions AND Bids](#)[Browse Suggested Publications](#)< Previous | [Next >](#)[About](#)[The Rand Journal of Economics; Mount Morris](#)[The American Economic Review; Nashville](#)[Econometrica; Evanston](#)

4 documents found for: (auction and "integer program*") AND PDN(<10/1/2000)

[Setup Alert](#)[About](#)

Dissertations

 [Mark / Clear all on page](#)
[View marked documents](#)
 [Show only full text](#)

Sort results by:

[Most recent first](#)

1. **Revenue management: Competition, monopoly, and optimization**
by Chen, Dietrich, Ph.D., Cornell University, 2000, 142 pages; AAT 9977420

[Abstract](#)[24 Page Preview](#)[Page Image - PDF](#)

2. **Dynamic slot allocation with airline participation**
by Milner, Joseph Micah, Ph.D., Massachusetts Institute of Technology, 1995; AAT 0576179

[Abstract](#)

3. **ESSAYS ON COORDINATION OF INDIVISIBLE RESOURCES AND LEONTIEF TECHNOLOGIES**
by JAIKUMAR, RAMCHANDRAN, Ph.D., University of Pennsylvania, 1985, 234 pages; AAT 8603652

[Abstract](#)[Full Text Options](#)

4. **ZERO/ONE DECISION PROBLEMS WITH MULTIPLE RESOURCE CONSTRAINTS: ALGORITHMS AND APPLICATIONS**
by RASSENTI, STEPHEN, Ph.D., The University of Arizona, 1982, 128 pages; AAT 8217461

[Abstract](#)[Full Text Options](#)

1-4 of 4

Want an alert for new results sent by email? [Setup Alert](#) [About](#)Results per page:

Basic Search

 Tools: [Search Tips](#) [Browse Topics](#) [4 Recent Searches](#)

[Search](#)[Clear](#)Database: [Select multiple databases](#)Date range: [About](#)Limit results to: [Full text documents only](#)

Scholarly journals, including peer-reviewed  [About](#)

[!\[\]\(ad6ab0b77b86612fcbfecc8e2418b31e_img.jpg\) More Search Options](#)

Copyright © 2005 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)

[Text-only interface](#)



[Return to the USPTO NPL Page](#) | [Help](#)

Basic Search	Advanced Search	Topic Guide	Publication Search	Marked List: 0 documents	Interface language: English
--------------	-----------------	-------------	--------------------	--------------------------	-----------------------------

Databases selected: Multiple databases...

[New! Dissertations in ABI/INFORM](#)

Results – powered by ProQuest® Smart Search

[Suggested Topics](#) [About](#)

< Previous | Next >

[Auctions](#)[Auctions AND Algorithms](#)1 document found for: "combinatorial auction" and "integer program*" [SetupAlert](#) [About](#) [Scholarly Journals](#) [Dissertations](#) [Mark / Clear all on page](#)[View marked documents](#) [Show only full text](#)Sort results by: [Most recent first](#)

-
- 1.
- Combinatorial auctions using rule-based bids**

Joni L Jones, Gary J Koehler. *Decision Support Systems*. Amsterdam: Dec 2002. Vol. 34, Iss. 1; p. 59 [Abstract](#)

1-1 of 1

Want an alert for new results sent by email? [SetupAlert](#) [About](#)Results per page: [30](#)

Basic Search

Tools: [Search Tips](#) [Browse Topics](#) [1 Recent Searches](#)[Search](#)[Clear](#)Database: [Select multiple databases](#)Date range: Limit results to: [Full text documents only](#) [Scholarly journals, including peer-reviewed](#) [About](#) [More Search Options](#)Copyright © 2005 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)[Text-only interface](#)**From:ProQuest**
COMPANY

[CiteSeer Home](#) **Check:** The following citations are predicted to all refer to the same paper. [Details](#)

Erhan Kutanoglu and S. David Wu. *On combinatorial auction and Lagrangean relaxation for distributed resource scheduling*. Technical report, Lehigh University, April 1998.

Erhan Kutanoglu and S. David Wu. *On combinatorial auction and Lagrangean relaxation for distributed resource scheduling*. IIE Transactions, to appear.

Erhan Kutanoglu and S. David Wu. *On combinatorial auction and Lagrangean relaxation for distributed resource scheduling*. IIE Transactions, to appear.

Erhan Kutanoglu and S. David Wu. *On combinatorial auction and Lagrangean relaxation for distributed resource scheduling*. IIE Transactions, 31:813–826, 1999.

E. Kutanoglu and S. D. Wu. *On combinatorial auction and Lagrangean relaxation for distributed resource scheduling*. Technical Report 97T-012, Lehigh University, 1997.

Kutanoglu, E and Wu, S.D., 1999, "On combinatorial auction and Lagrangean relaxation for distributed resource scheduling", IIE Transactions, vol.31, no.9, pp.813-26.

Erhan Kutanoglu and S. David Wu. *On combinatorial auction and Lagrangean relaxation for distributed resource scheduling*. IIE Transactions, 31:813–826, 1999.

Erhan Kutanoglu and S. David Wu. *On combinatorial auction and Lagrangean relaxation for distributed resource scheduling*. Technical report, Lehigh University, April, 1998.

Kutanoglu, E. and Wu, S.D., "On combinatorial auction and Lagrangean relaxation for distributed resource scheduling," IIE Trans., 31: 813-825, 1999.

Erhan Kutanoglu and S. David Wu. *On combinatorial auction and Lagrangean relaxation for distributed resource scheduling*. IIE Transactions, 31:813-826, 1999.

Kutanoglu E., Wu S. D. (1999). *On combinatorial auction and Lagrangean relaxation for distributed resource scheduling*, IEEE Transaction, 31, 813-826.

E. Kutanoglu and S. D. Wu. *On combinatorial auctions and Lagrangean relaxation for distributed resource scheduling*. IIE Transactions, 31(9):813–826, September 1999.

E. Kutanoglu and S. D. Wu. *On combinatorial auctions and Lagrangean relaxation for distributed resource scheduling*. IIE Transactions, 31(9):813–826, September 1999. Special Issue of Operations Engineering on Game Theory Applications in Industry.

CiteSeer - Copyright [NEC](#) and [IST](#)

Combinatorial (Bundle) Auctions

Session: SD11

Date/Time: Sunday 15:00-16:30

Type: Invited

Sponsor:

Track:

Cluster: Integer Programming

Room:

Chair: Steef L. van de Velde

Chair Address: Erasmus University, Rotterdam Sch. of Mgmt., PO Box 1738, Rotterdam, 3000 DR , The Netherlands

Chair E-mail: svelde@fac.fbk.eur.nl

Chair:

Chair Address:

Chair E-mail:

SD11.1 Combinatorial Auctions from a Primal-Dual Perspective

- Andreas S. Schulz; MIT, Sloan Sch. of Mgmt. & OR, BLdg. E53-361, 30 Acorn St., Cambridge, MA 02142-1320; schulz@mit.edu
- Rudolf Muller; University of Maastricht, Dept. of Quantitative Econ., Maastricht, 6200 MD , The Netherlands; r.muller@ke.unimaas.nl

An important aspect of the design of combinatorial auctions is the winner determination problem. We take a look at primal-dual algorithms, which share 3 favorable properties: computed solutions are supported by individual item prices, corresponding payment schemes may enforce truth revelation and certificates of optimality of assignments are immediately available.

SD11.2 Complexity & Algorithms for Winner Assignment in Combinatorial Auctions

- Rudolf Muller; University of Maastricht, Dept. of Quantitative Econ., Maastricht, 6200 MD , The Netherlands; r.muller@ke.unimaas.nl
- Stan van Hoesel; University of Maastricht, Dept. of Quantitative Econ., Maastricht, 6200 MD , The Netherlands; s.vanhoesel@ke.unimaas.nl

We present an analysis of the complexity of the problem to assign bids to bidders in combinatorial auctions. We show that the case of identical assets can be solved in polynomial time. We give some computational results using integer linear programming formulations and heuristics

SD11.3 The Winners Determination Problem in Tendering Transportation Services

- Steef L. van de Velde; Erasmus University, Rotterdam Sch. of Mgmt., PO Box 1738, Rotterdam, 3000 DR , The Netherlands; svelde@fac.fbk.eur.nl
- Roelof Kuik; Erasmus University, Rotterdam Sch. of Mgmt., PO Box 1738, Rotterdam, 3000 DR , The Netherlands; rkuik@fac.fbk.eur.nl
- Linda van Norden; Erasmus University, Rotterdam Sch. of Mgmt., PO Box 1738, Rotterdam, 3000 DR , The Netherlands; lnorden@fac.fbk.eur.nl

The tendering process for outsourcing transportation of bulk chemicals can be seen as a

combinatorial auction. We present an algorithm for the solution of the winners determination problem.

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.